

Claims

1. A fuel injection device, having a magnet valve (24) for controlling fuel flows, which valve, in at least one of its positions, closes a damping chamber (40) in the magnet valve (24) that communicates constantly with a relief chamber (41) via a damping throttle, characterized in that the damping throttle throttles in both laminar fashion (49) and turbulent fashion (39).
2. The fuel injection device of claim 1, characterized in that the damping throttle is embodied in a support plate (38), which is disposed between the damping chamber (40) and the relief chamber (41) and which closes off the damping chamber (40) toward the relief chamber (41).
3. The fuel injection device of claim 1 or 2, characterized in that the turbulent throttle (39) of the damping throttle is embodied in the form of a through bore (45) that connects the damping chamber (40) and the relief chamber (41).
4. The fuel injection device of claim 3, characterized in 4. that the through bore (45) has a countersunk recess (47) on at least one end.
5. The fuel injection device of one of the foregoing claims, characterized in that the laminar throttle of the damping throttle is embodied in the form of a gap (49).

